

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number  
**WO 2005/000131 A1**

(51) International Patent Classification<sup>7</sup>: **A61B 17/32**

(21) International Application Number:  
PCT/GB2004/002688

(22) International Filing Date: 23 June 2004 (23.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0314689.1 24 June 2003 (24.06.2003) GB

(71) Applicant (for all designated States except US): **LAMBERT SURGICAL DEVELOPMENTS LTD** [GB/GB];  
The Den, 68 Balsall Street, Balsall Common, Coventry CV7 7AP (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LAMBERT, Anthony** [GB/GB]; 8 Russell Avenue, Hartley, Plymouth PL5 3RA (GB).

(74) Agents: **BRYER, Kenneth et al.**; K. R. Bryer & Co, 7 Gay Street, Bath BA1 2PH (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

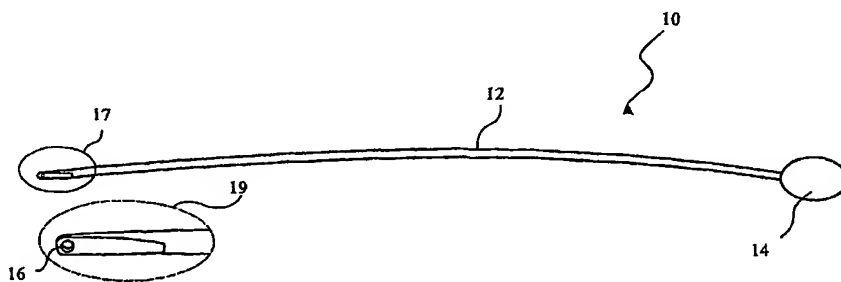
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUBCUTANEOUS TUNNELLER



(57) Abstract: The invention provides an orchidopexy tunneller (10) for use in orchidopexy surgery. The tunneller comprises an arcuate elongate body (12) having a tunneling head (14), and attachment means (16) at the opposite end thereof for attachment with a testicle to be repositioned in the human body by the tunneller during orchidopexy surgery. The attachment means is preferably capable of being secured to the testis by means of a surgical stitch, and may comprise an aperture formed in the end of the body 12 for holding the stitch. The invention also provides a uni-directional orchidopexy surgical procedure wherein an incision (30) is made in the abdominal wall of a patient in the region of the undescended testis so that the testis can be located externally of the patient's body. The tunneller head is inserted in the incision (30) then moved to a position within the scrotum (38) to form a subcutaneous tunnel and scrotal pouch (dartos pouch) (40). A second incision (42) is formed in the scrotum in the region of the tunneller head so that the tunneller may be pulled through the patient's body with the undescended testis (34) attached to the other end of the tunneller by means of a surgical stitch. The surgical procedure is completed by releasing the testis from the end of the tunneller and anchoring it to the scrotum prior to closing the incisions previously formed.

WO 2005/000131 A1